FOR DISTRIBUTION AND SALE ONLY WITHIN THE STATE OF IDAHO

PIN NIP® 98% CHLORPROPHAM

AEROSOL GRADE - POTATO SPROUT INHIBITOR

	By Weight
Active Ingredient: Chlorpropham* (Isopropyl N-(3-chlorophenyl) carbamate)	98.0%
Inert Ingredients	2.0%
Total	100.0%

* Contains 9.709 pounds of active ingredient per gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed or absorbed through skin or inhaled.
Avoid contact with eyes, skin and clothing. Avoid breathing aerosol.

First Aid

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

If on skin or clothing	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If swallowed	• Call a poison control center or doctor immediately for treatment advice. • Have a person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If inhaled	• Move person to fresh air. • If person is not breathing call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for treatment advice.

Personal Protective Equipment

Applicators and other handlers must wear chemical resistant gloves such as or made of any waterproof material.

From the start of application and continuing until the ventilation requirements listed on this labeling have been completed, for entry into the enclosed treated area, handlers must also wear a long-sleeve shirt, long pants, shoes and socks, and a dust/mist filtering respirator (MSHAA/NIOSH approval number prefix TX-21C) or a NIOSH approved respirator with any N, R, P or HE filter.

If the enclosed area contains less than 19.5 percent oxygen, the respirator worn by handlers must be one of the following types:

- A supplied-air respirator (MSHA/NIOSH approval number prefix TC-19C) OR a self-contained breathing apparatus (SCBA) (MSHA/NIOSH approval number prefix TX-13F).

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Emergency Information

For spill, leak, fire, exposure, or accident, call PERS 1-800-633-8253.

Environmental Hazards

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by disposal of equipment wash waters.

NET CONTENTS 5 X 10 lbs

Formulated for: Pin Nip, Inc.
P.O. Box 860
Meridian, ID 83680

EPA Reg. Number 65726-3
EPA SLN NO. ID-050012
Made in Finland

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. This labeling must be in the possession of the user at the time of application. Follow all applicable directions, restrictions, worker protection standard requirements, and precautions on the EPA registered label for PIN NIP® 98% CHLORPROPHAM (EPA Reg. No. 65726-3)

Notice

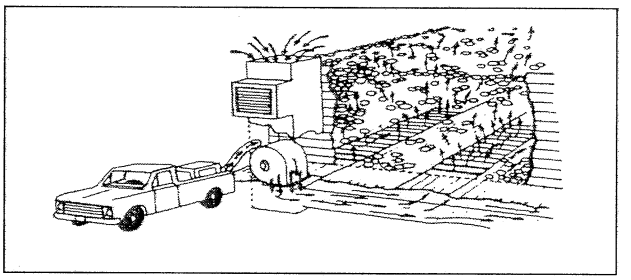
- PIN NIP® is used as an aerosol for treating potatoes for sprout inhibition during storage.
- Do not apply in the field.
- This product inhibits germination of seed potatoes. Do not use on seed potatoes.
- Do not allow aerosol to come in contact with, or get near to, storage areas used for seed potatoes.
- Let six months elapse before using treated storage area for seed potatoes. Air system components (including ducts) and building must be thoroughly cleaned before area is used for storage of seed potatoes.
- The inhibition of sprouting at recommended rates is usually effective regardless of removal from storage.
- PIN NIP® will prevent periderm formation of potatoes, therefore, it should be used only after bruises and cuts have healed (normally a minimum of two weeks.)

Entry Restrictions

Do not enter or allow any person, other than a person equipped with the appropriate handler personal protective equipment including the appropriate respirator, to enter the treated area until the area has been ventilated. Ventilation may be for either a total of two (2) hours with fans or other mechanical ventilation or four (4) hours with windows, vents, or other passive ventilation, or until such time that there have been 10 complete air exchanges. The ventilation time may be interrupted, i.e., the time may be accumulated at sporadic intervals, such as 15 minutes of ventilation followed by a period with no ventilation, until the total required ventilation time has accumulated.

Forced Air Distribution Method

1. Assemble unit as shown. Insert aerosol generator intake hose in PIN NIP® container.
2. Set air ducts for recirculation.
3. Place exhaust end of aerosol generator at center of plenum (air mixing chamber) pointing it in direction of air flow. This will assure the best possible distribution of PIN NIP® throughout the duct system.



Treatment of Storages or Other Areas that Do Not Have Recirculating Air Systems

Prior to placing the potatoes in the area to be treated, make the following preparations:

1. On the floor of the area, install an air duct approximately 12 inches by 12 inches running the length or width of the potato pile leaving a false wall space at both ends for air circulation. The ducts should be spaced 10 to 12 feet apart and can be perforated metal pipe, slotted wood construction or if the potatoes are in bags, by bridging a 12 inch space between two rows of bags in the bottom layer with bags placed crosswise the space.
2. At the end of each duct in the false wall space where the fog is to be introduced, place a squirrel cage fan positioned to force air through the duct. The exit end of the duct must be blocked to force the air up through the piled potatoes.

When the area is filled and ready to treat, the following steps should be taken:

1. Close off any ventilating systems.
2. Start the squirrel cage fans.
3. Introduce the fog as near as possible to the bottom of the false wall space containing the fans.
4. Operate the fans until the fog has settled.
5. Reactivate the ventilation systems 4 hours following application or when the fog has settled.

NOTE: When treating small areas such as trailer trucks or railroad cars, it is recommended that low volume aerosol generators, such as a "Swing Fog" be used.

Application

Application of PIN NIP® should be made anytime after the curing period and before sprouting of potatoes occurs.

1. Apply at recommended % of SLN Application Rate of 1 pound active ingredient per 670 bushels (400 cwt.); one gallon treats 6,700 bushels (4000 cwt.). Follow Recommended Chlorpropham Rate table below. Treat according to volume of storage (see below for conversion).
2. Use the lowest FORCED AIR recirculation through the pile. Check for uniform air distribution throughout the storage and adjust the airflow if necessary.
3. Keep storage closed during application. After application, initiate ventilation as described in the Entry Restriction.
4. Repeat application must not be made sooner than 50 days following the initial application.

1 cwt. = 1.67 bushels = 2.5 cubic feet; 1 bushel = 60 pounds = 1.5 cubic feet

Recommended Chlorpropham Rate

To calculate the rate needed use the following formula:

% of SLN Application Rate = (2 X T) + [(5 X M) + 5]

Where: SLN Application Rate = 1 pound active ingredient/400 cwt. (40,000 lbs.)

T = Storage Temperature

M = Number of Months Storage Time

Example Calculation: (Potatoes stored at 40°F for six (6) months)

Required Rate = (2 X 40) + [(5 X 6) + 5] = 115%

TIME	STORAGE TEMPERATURE			
MONTHS	40°F	45°F	50°F/1	55°F/1
1	90%	100%	110%	120%
2	95%	105%	115%	125%
3	100%	110%	120%	130%
4	105%	115%	125%	135%
5	110%	120%	130%	140%
6	115%	125%	135%	145%
7	120%	130%	140%	150%
8	125%	135%	145%	155%
9	130%	140%	150%	160%
10	135%	145%	155%	165%

/1 - Rates for 50°F and 55°F are for processing potatoes only.

Chart assumes first treatment soon after suberization time.

Re-Treatment for Extended Storage

If the potatoes are held in storage longer than originally anticipated, the potatoes may be re-treated as necessary. However, using either the above chart or the rate formula, the re-treatment application must be no greater than the total amount required for the extended storage time *minus* the amount already applied.

For example, potatoes stored at 40°F were treated based on a two (2) month storage period. A decision was made to extend storage to five (5) months (three months in addition to the original 2 months). The total extended storage would require a total of 110% of the SLN rate; the original treatment would have used 95% of the SLN rate. In this case, re-treatment would require 15% (110% - 95%) of the SLN treatment.

The maximum application for the total amount of chlorpropham applied via aerosol fog to potatoes destined for the fresh market is 1.45 pounds active ingredient per 400 CWT. The maximum application for the total amount of chlorpropham applied via aerosol fog to potatoes destined for processing is 1.65 pounds active ingredient per 400 CWT.

User Safety Recommendations

- Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage

Keep container closed.

Pesticide Disposal

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal

Do not reuse as a container. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Conditions of Sale

Pin Nip, Inc. warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to manufacturer, and buyer assumes the risk for any such use.